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Chapman, C.C.

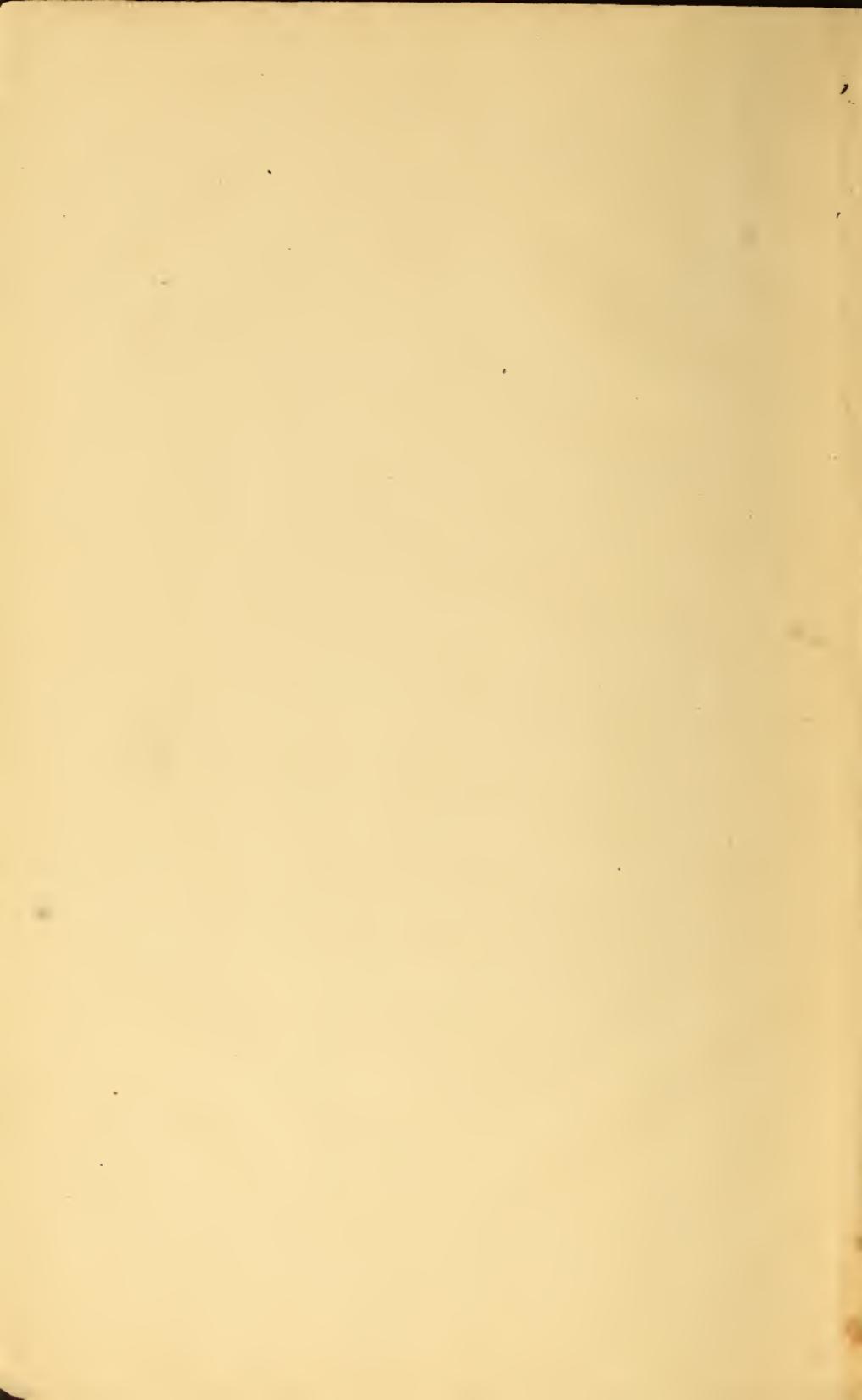
Scientific amusements, for the
old and the young, the grave
and the gay.

Phila., 1844.



Class G 1511
Book S 4C4





W234.

Deposited Oct 14. 1844.

By C C Chapman

as Prof.



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SCIENTIFIC AMUSEMENTS;

FOR THE OLD AND THE YOUNG,

THE GRAVE AND THE GAY.

DESIGNED FOR CENTRE TABLE AND FIRE SIDE RECREATION.

BY C. C. C.

COPY RIGHT SECURED.

Philadelphia.

STEREOTYPED BY S. DOUGLAS WYETH.

1844.

GY 158

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Entered according to the Act of Congress, in the year 1844, by
C. C. C H A P M A N,
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A FEW WORDS TO THE PURCHASER.

THE amusement now offered to the public is said to have originated with the Chinese. It was one of the favorite amusements of Napoleon Bonaparte, who is known to have been deeply skilled in mathematics, while an exile on St. Helena. The figures, or problems in this amusement are all mathematical in their structure, and the mind is mathematically engaged in their solution.

The advantages of an amusement that will bias the mind toward any of the useful sciences will readily be perceived upon a moment's reflection. It is unnecessary at this time to write a treatise on the advantages of useful amusements; this has already been done by many able writers, and the fact is too well known to need further argument.

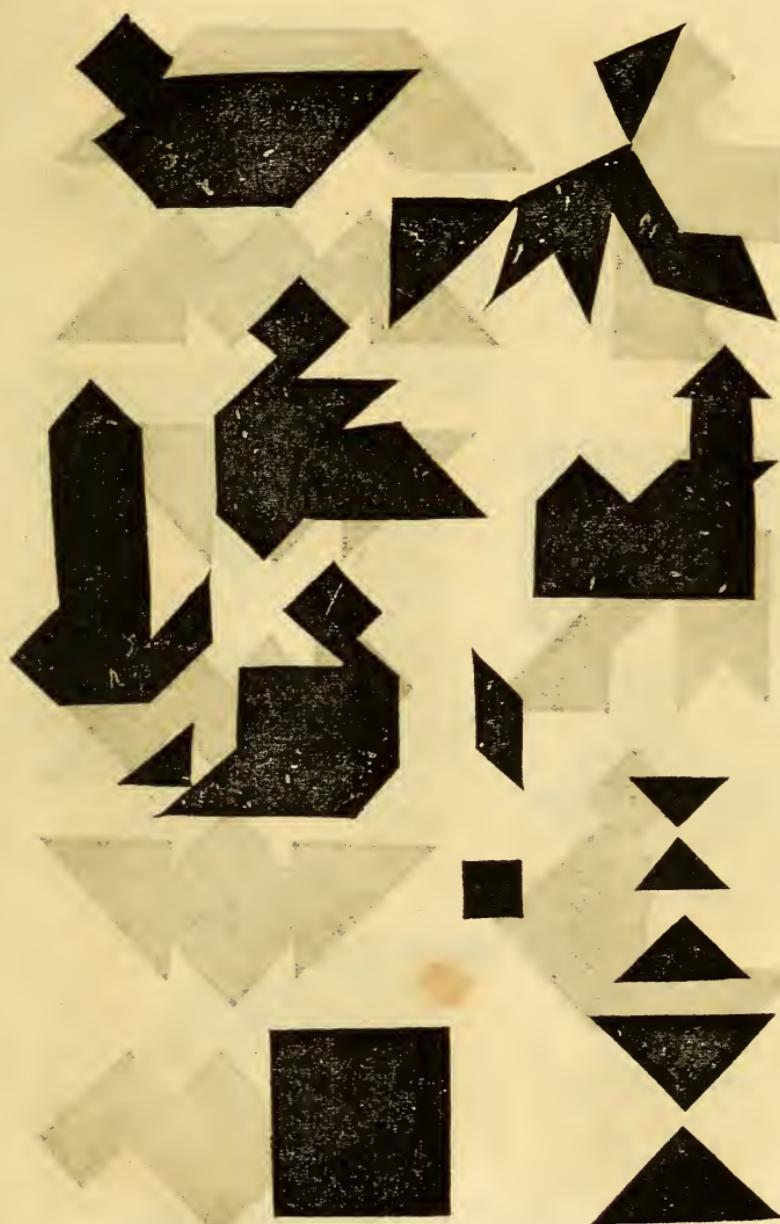
The purchaser of this amusement will find a small box, containing seven mathematical plates. Five of these plates are right-angled triangles of different sizes, also one perfect square, and one rhomboid.

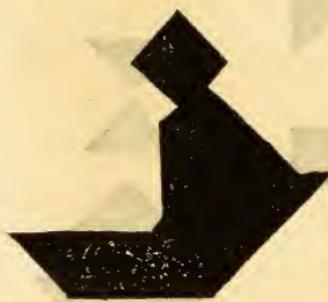
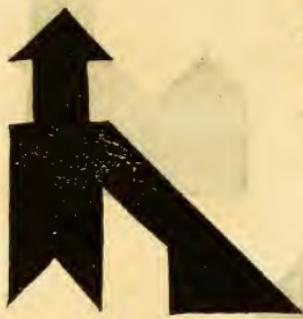
These seven plates, when rightly placed together, will form an exact square, and also all the various shaped figures, or problems contained in the book. In addition to the box of plates, there are two small books, each containing more than three hundred and twenty different shaped problems or figures. In one book the figures are in solid form, in the other, which is called the key, the same figures are so divided, as to show the position that each plate will occupy in solving the problem. A very few words will enable the purchaser to commence and pursue this useful and amusing exercise through all the various problems.

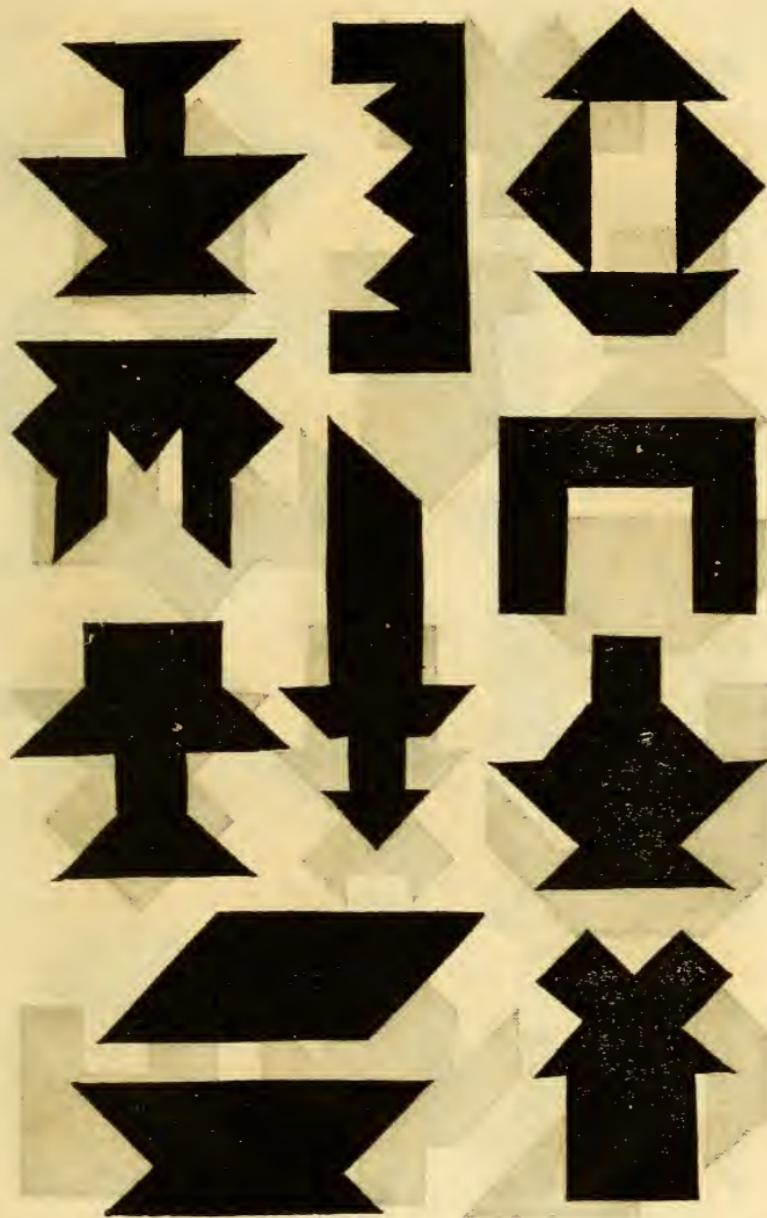
Take the book of solid figures, and select any one of them agreeably to fancy; then go to work with the seven plates, and try your skill in so placing them together that they will make a figure of the same shape and form as the one you have selected. If you fail to accomplish this after trying a reasonable time, you can turn to the corresponding page of the other book, and find the same figure so divided that the position is shown which each plate occupies in the structure of the figure. But no person should have recourse to the key, or divided

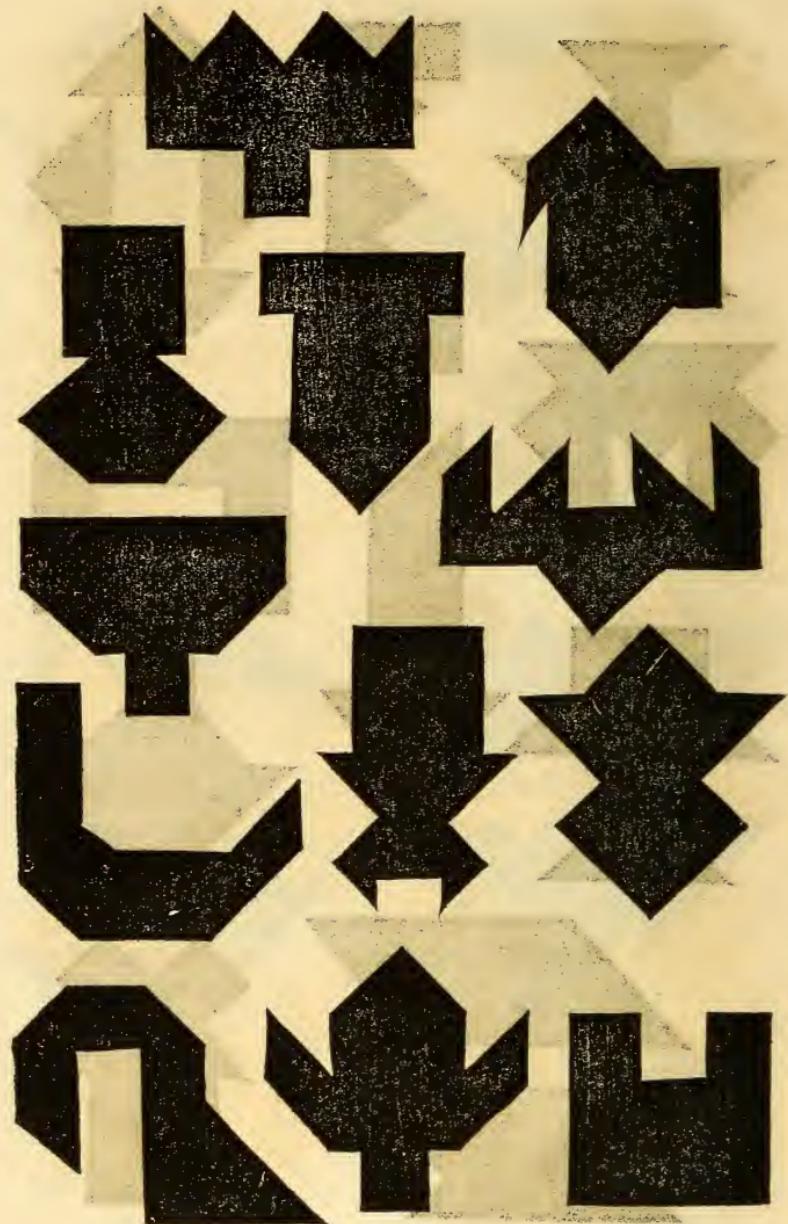
figures, until they have faithfully tried to solve the problem without the aid of that book.

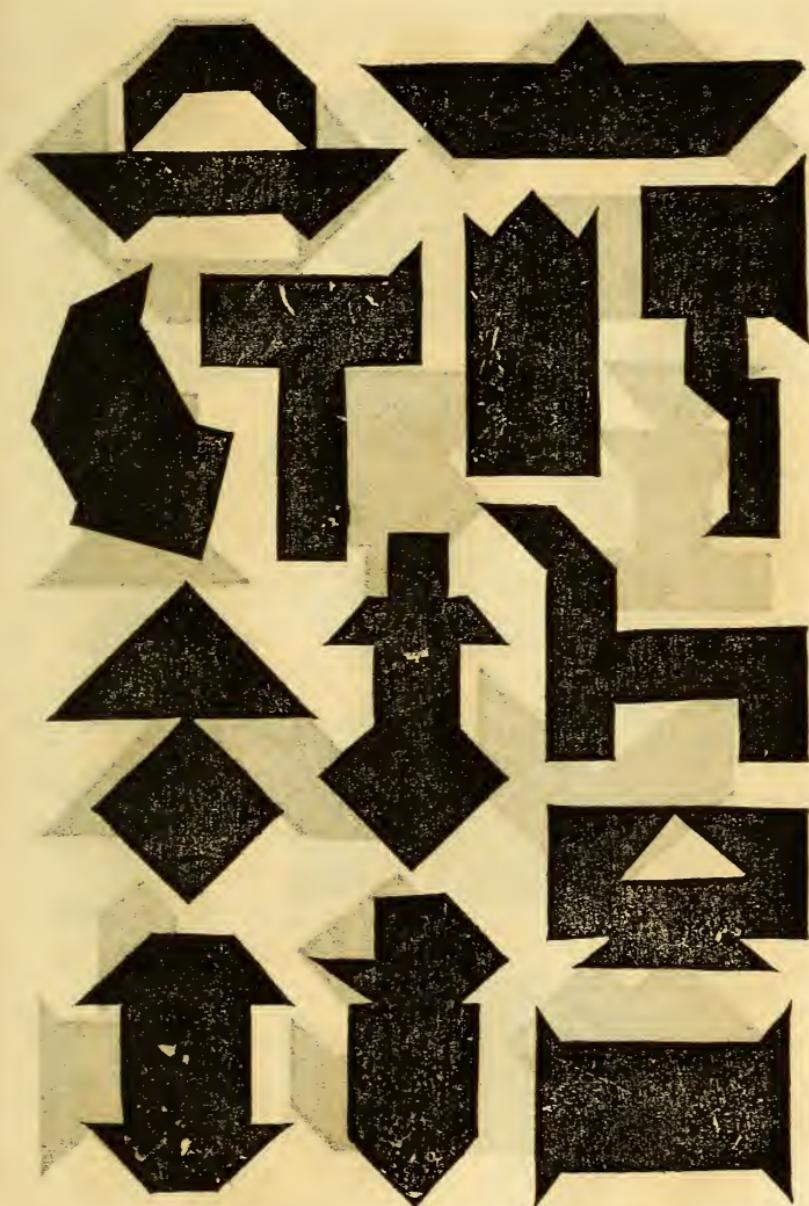
Both sexes, from childhood to age, can engage in this amusement with pleasure and profit. Young ladies will find it a very agreeable appendage to their centre tables—young gentlemen will find it a pleasant and instructive companion in their lodging rooms, and parents will cultivate a taste for mathematics and architectural science in their sons, by furnishing them with this useful recreation for the mind.

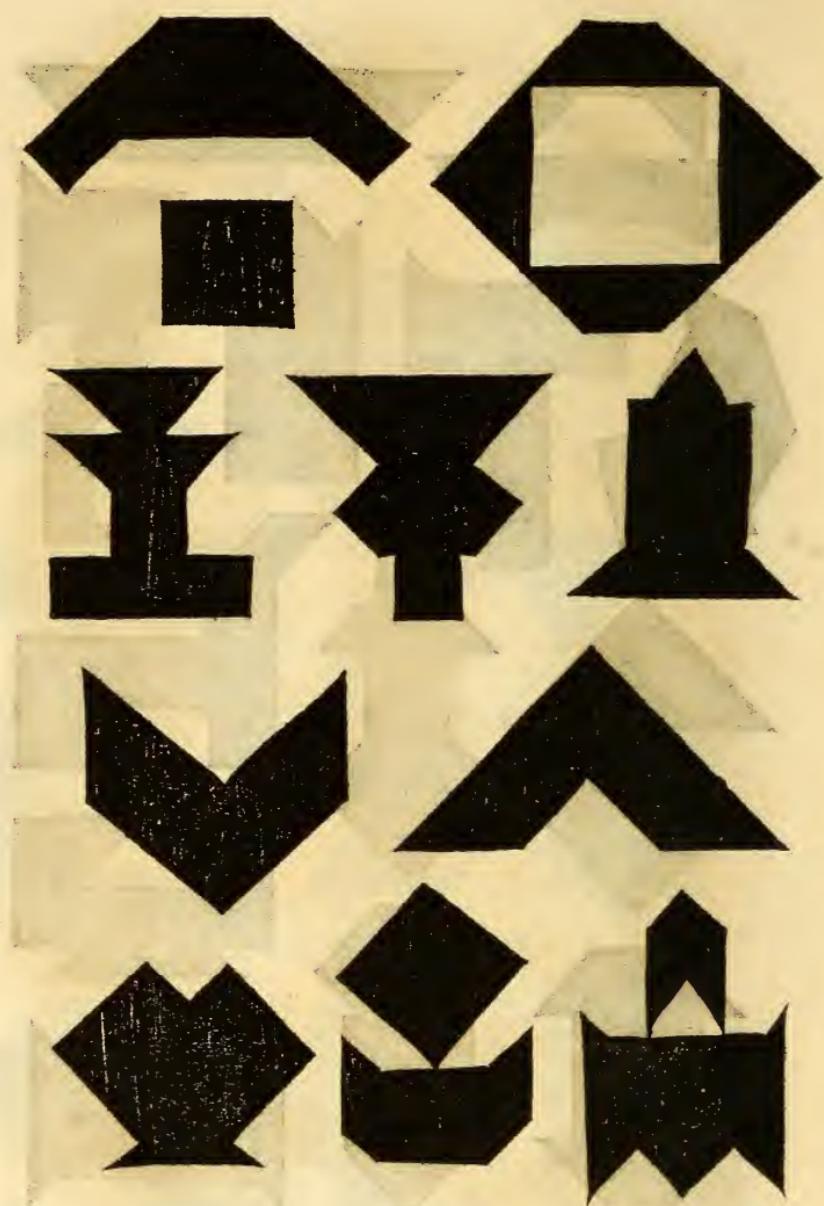


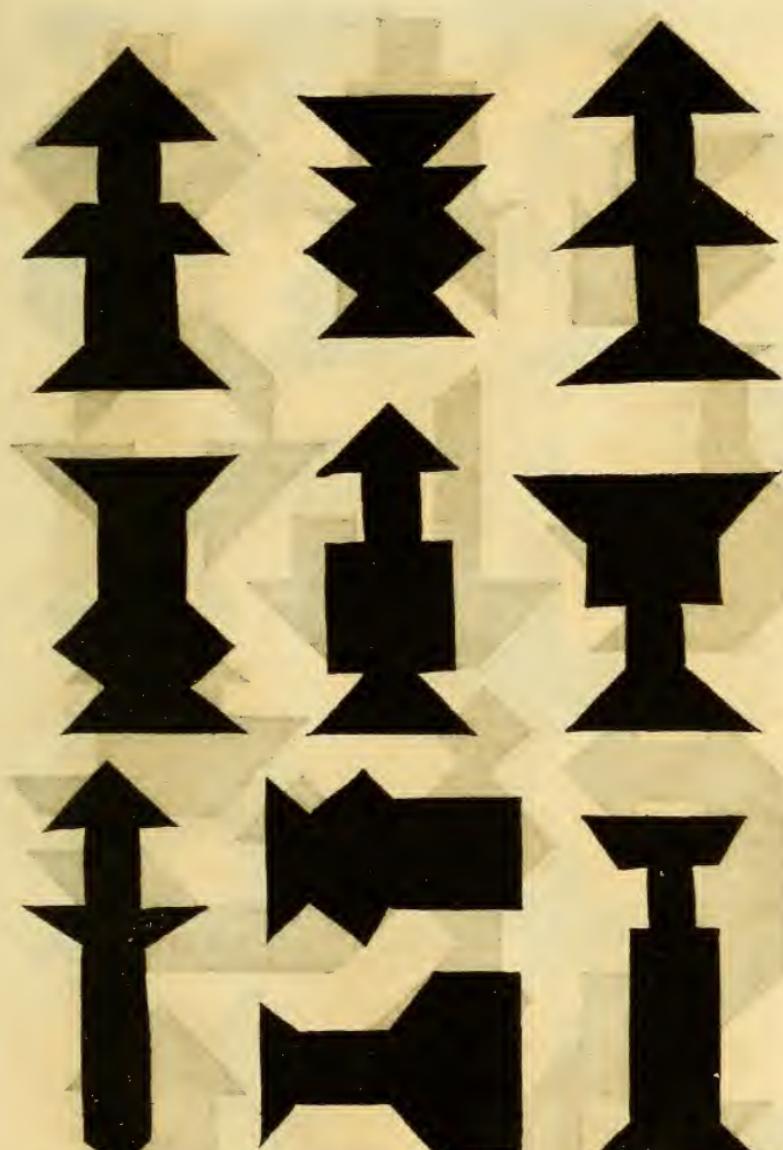


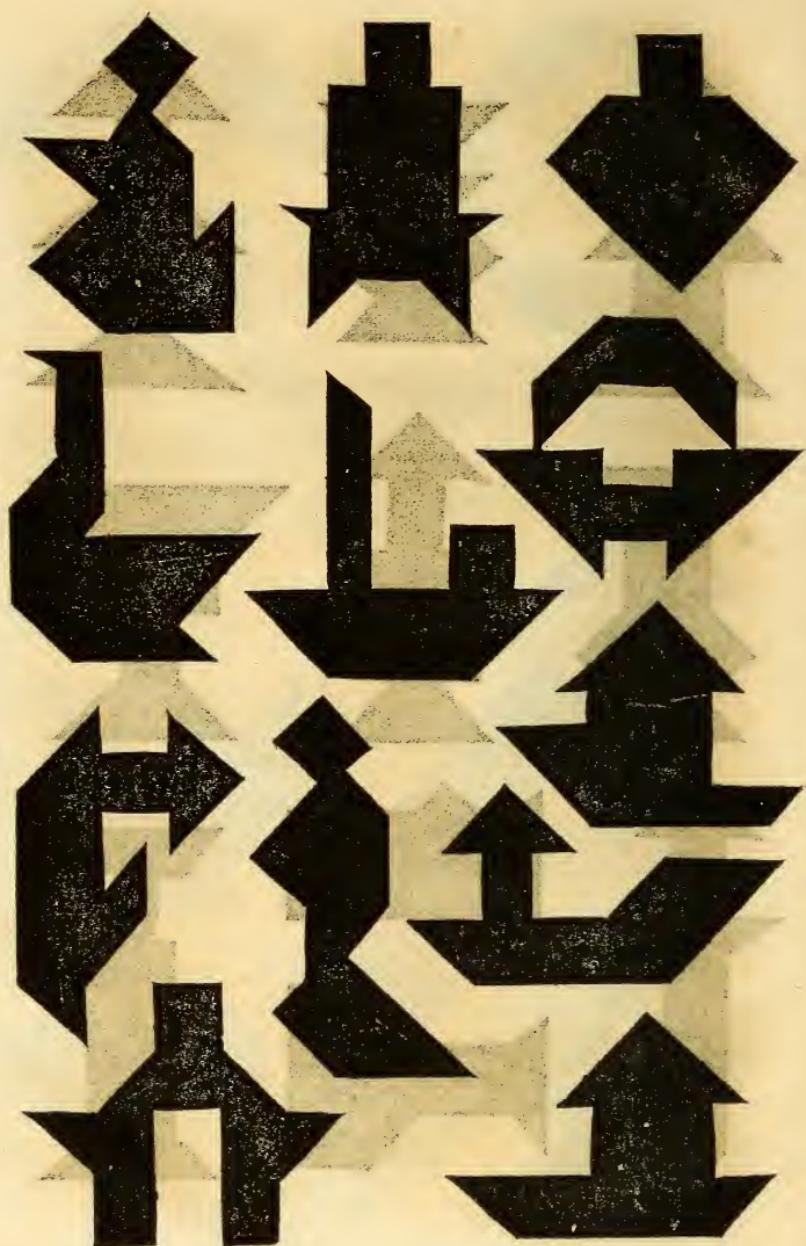


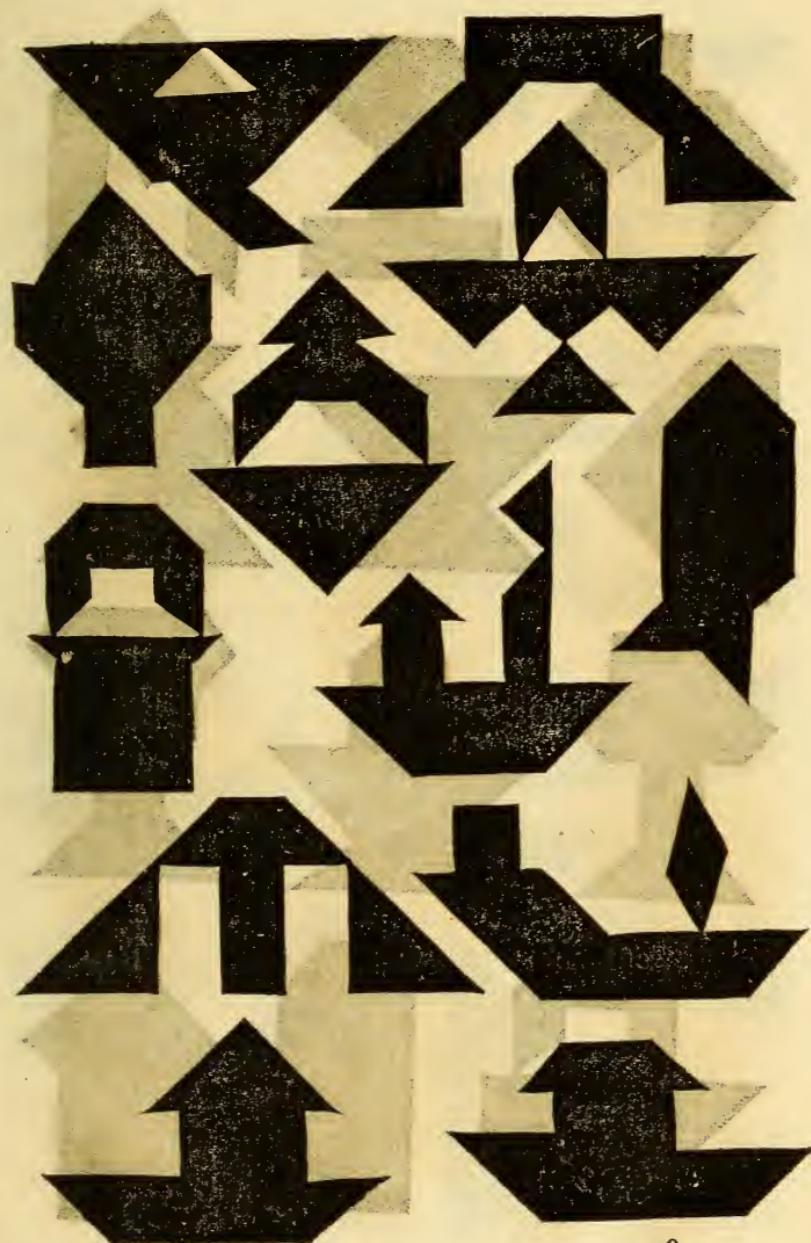


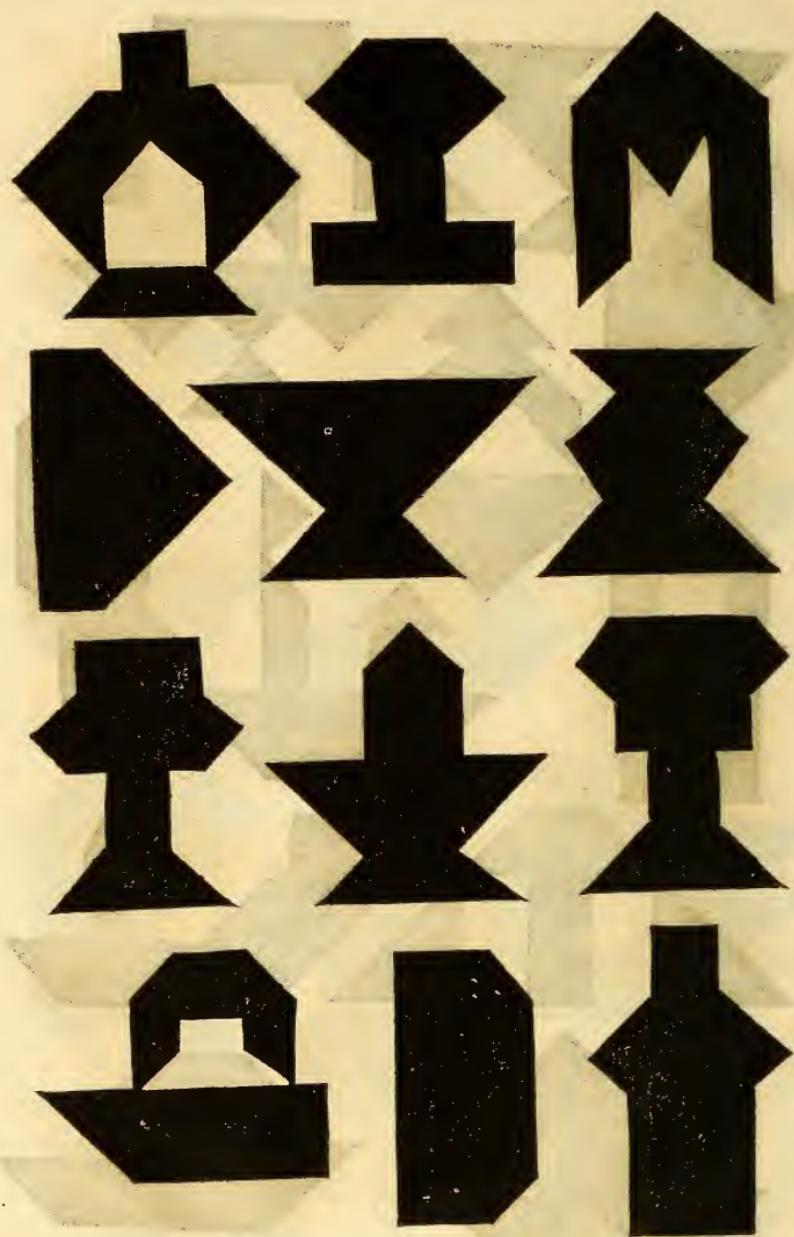


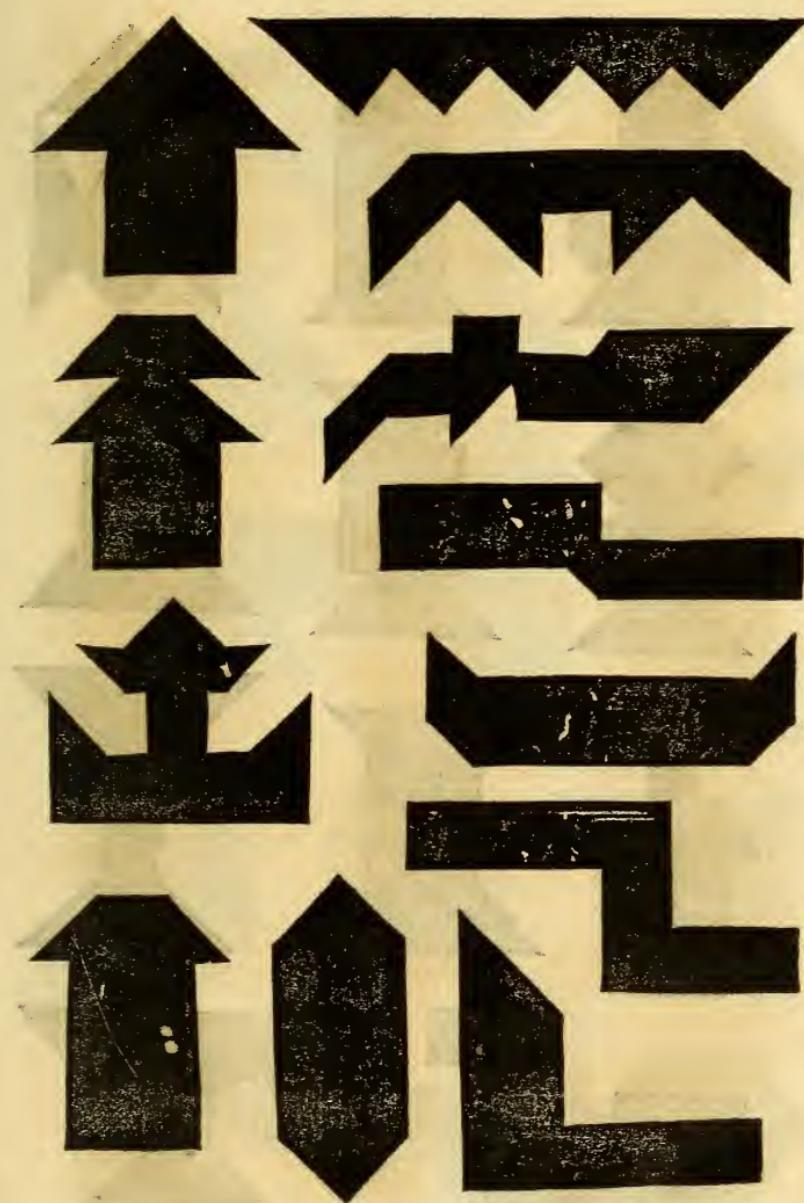


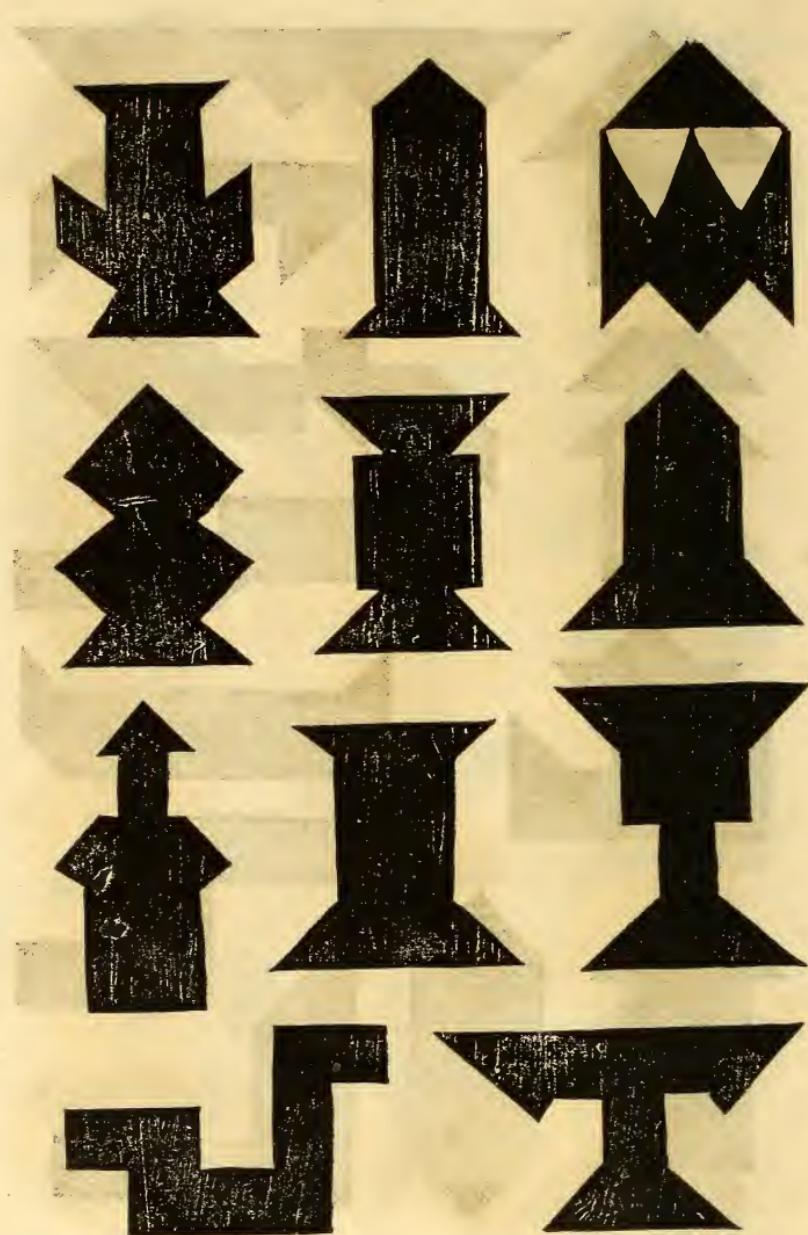


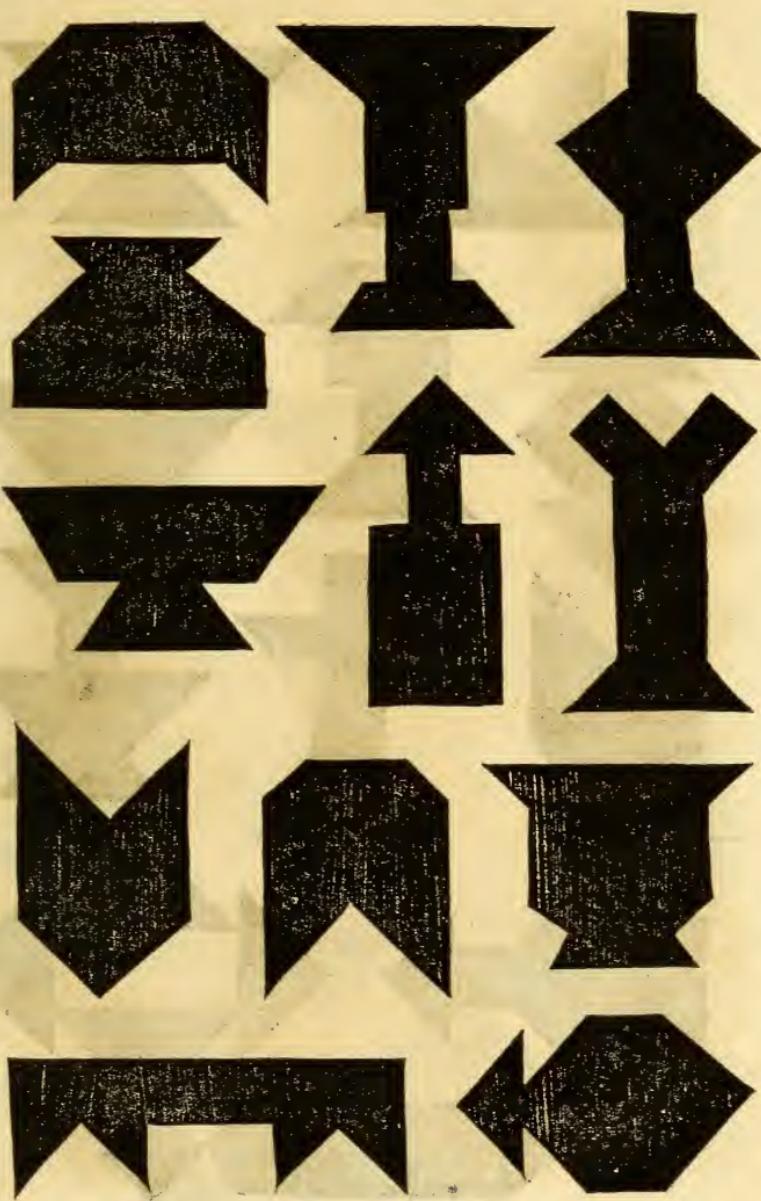


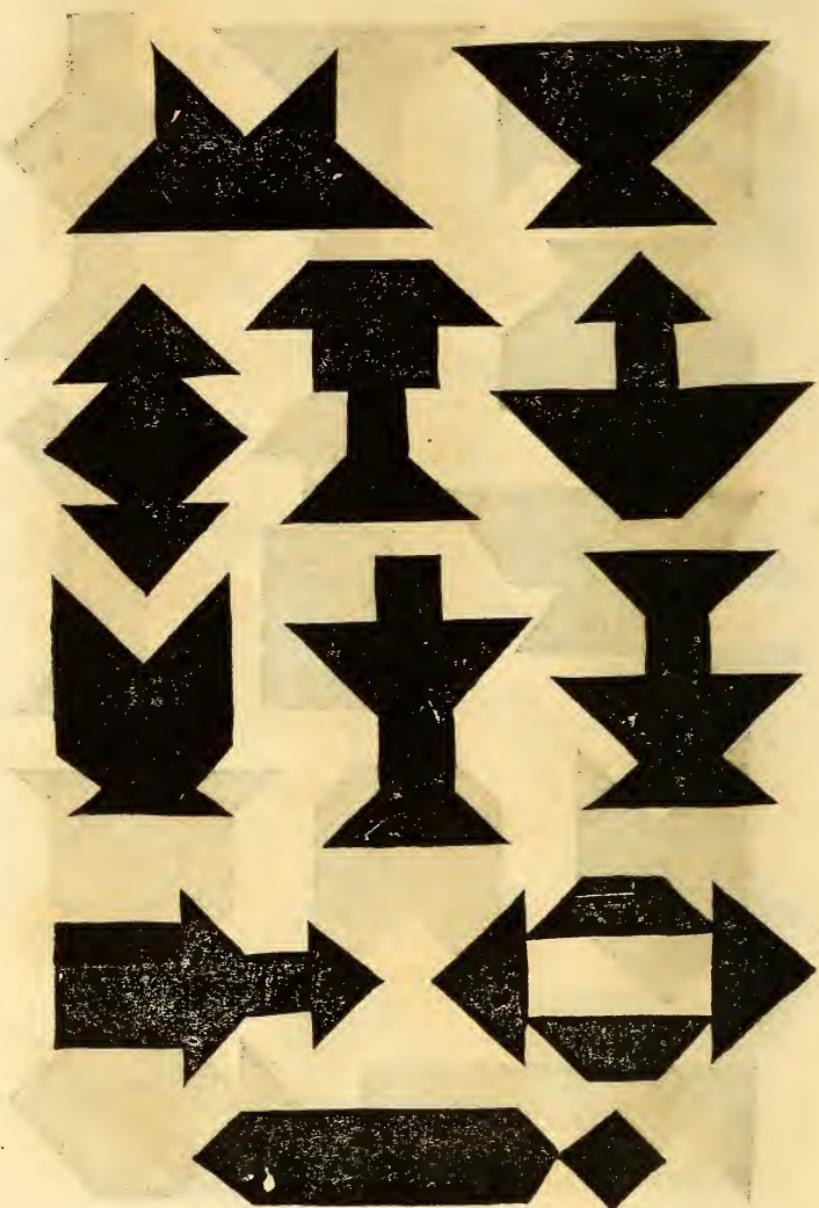


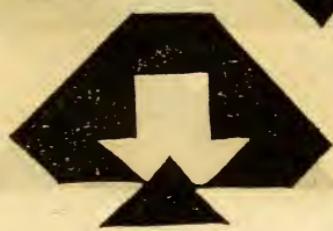
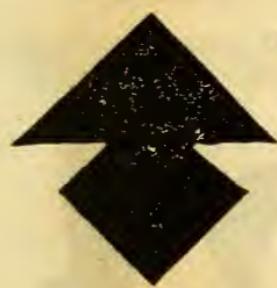
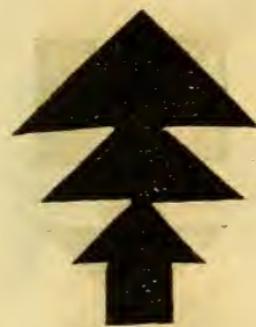


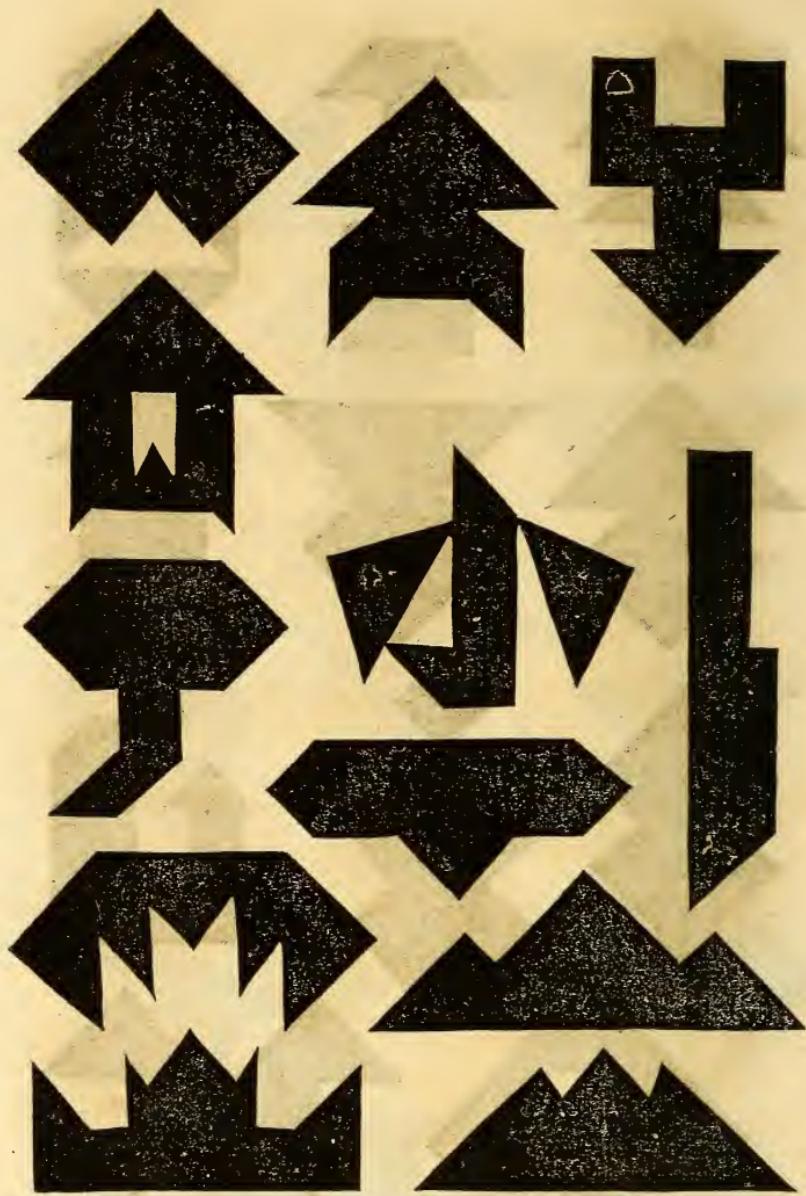




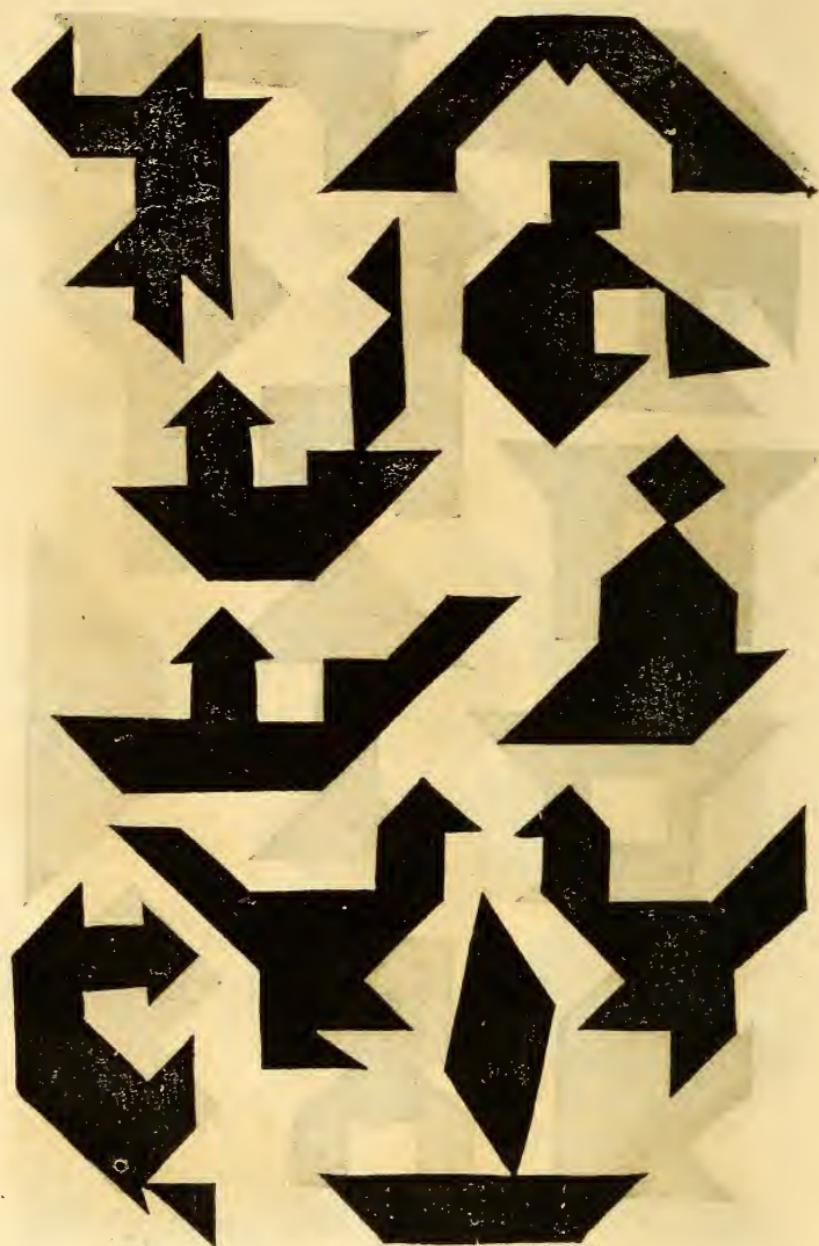


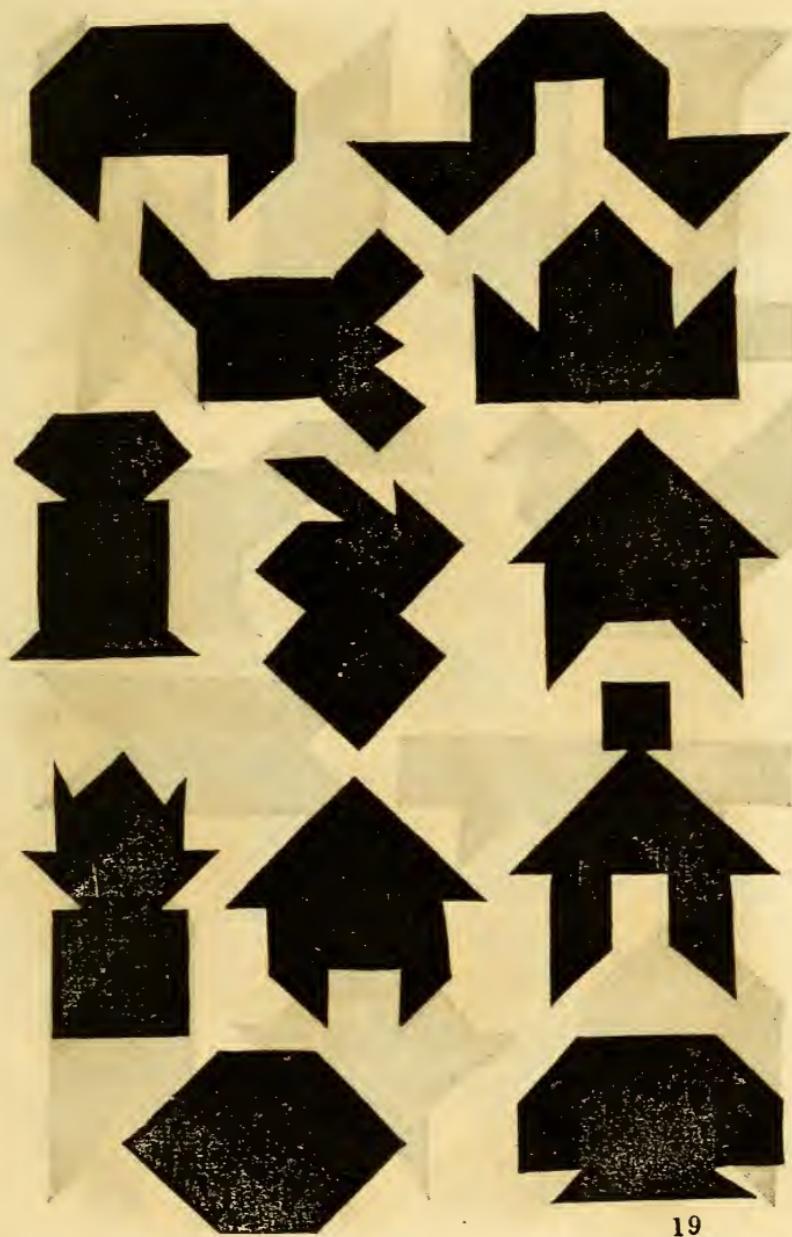


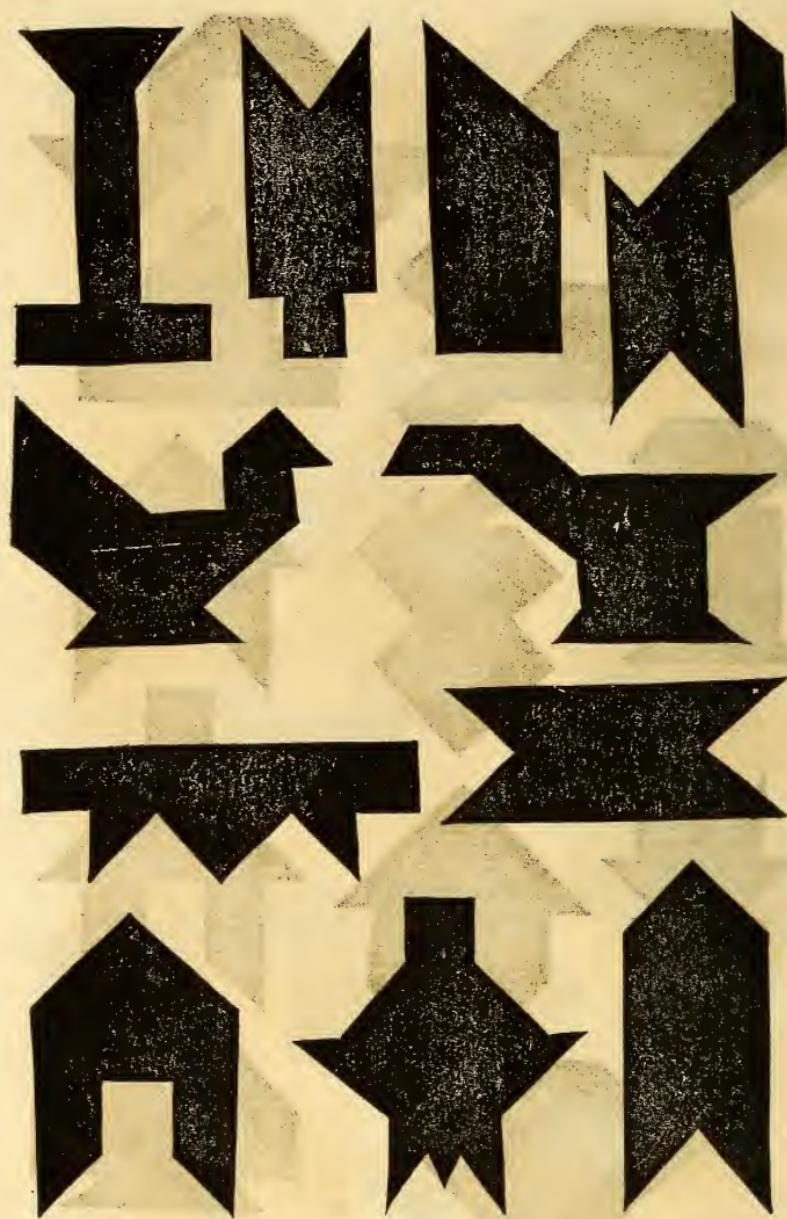


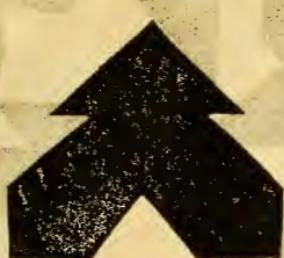


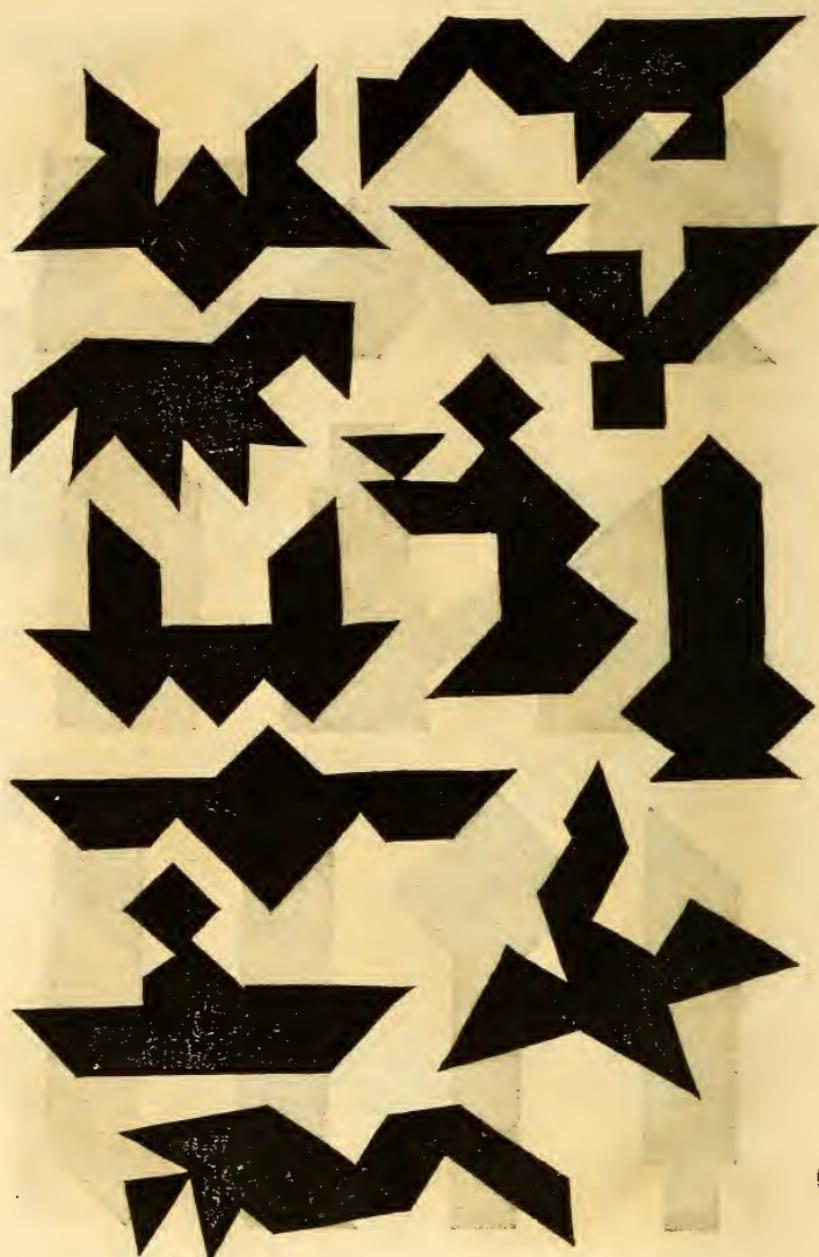


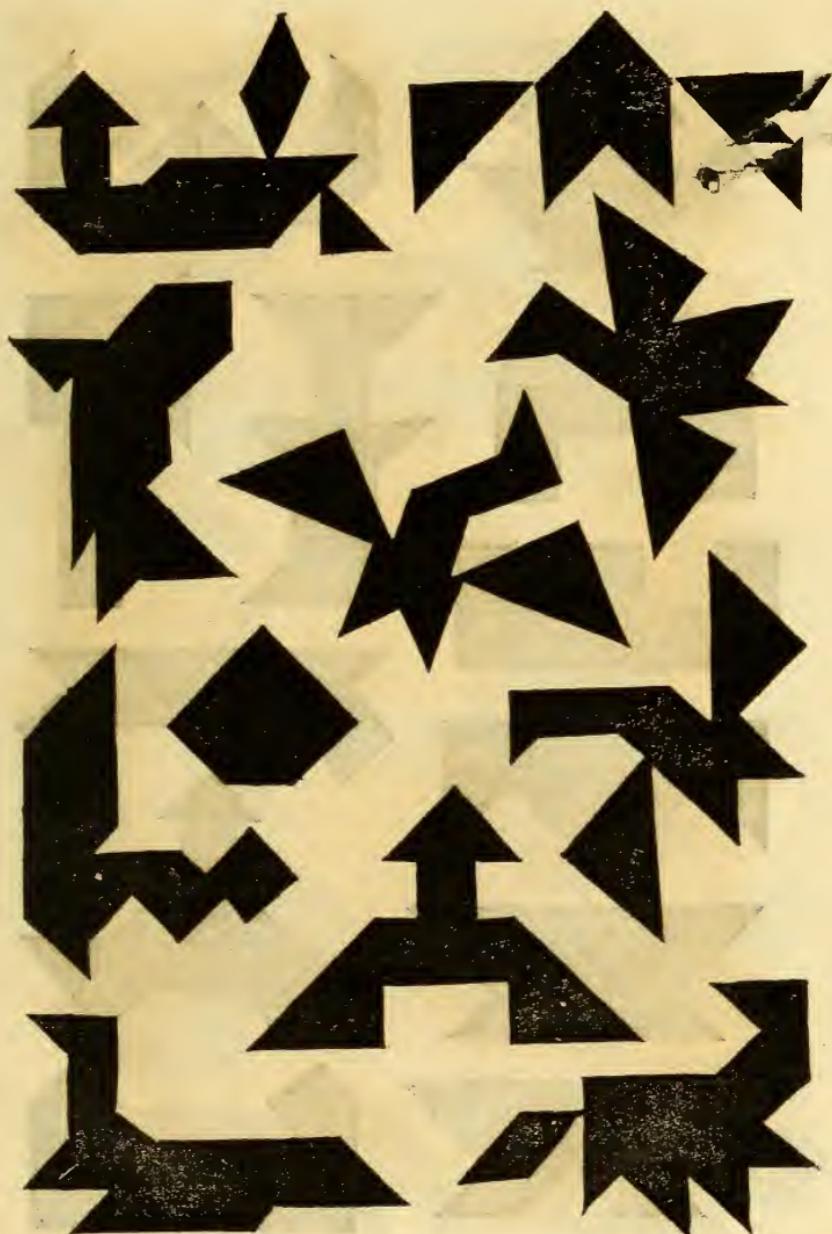


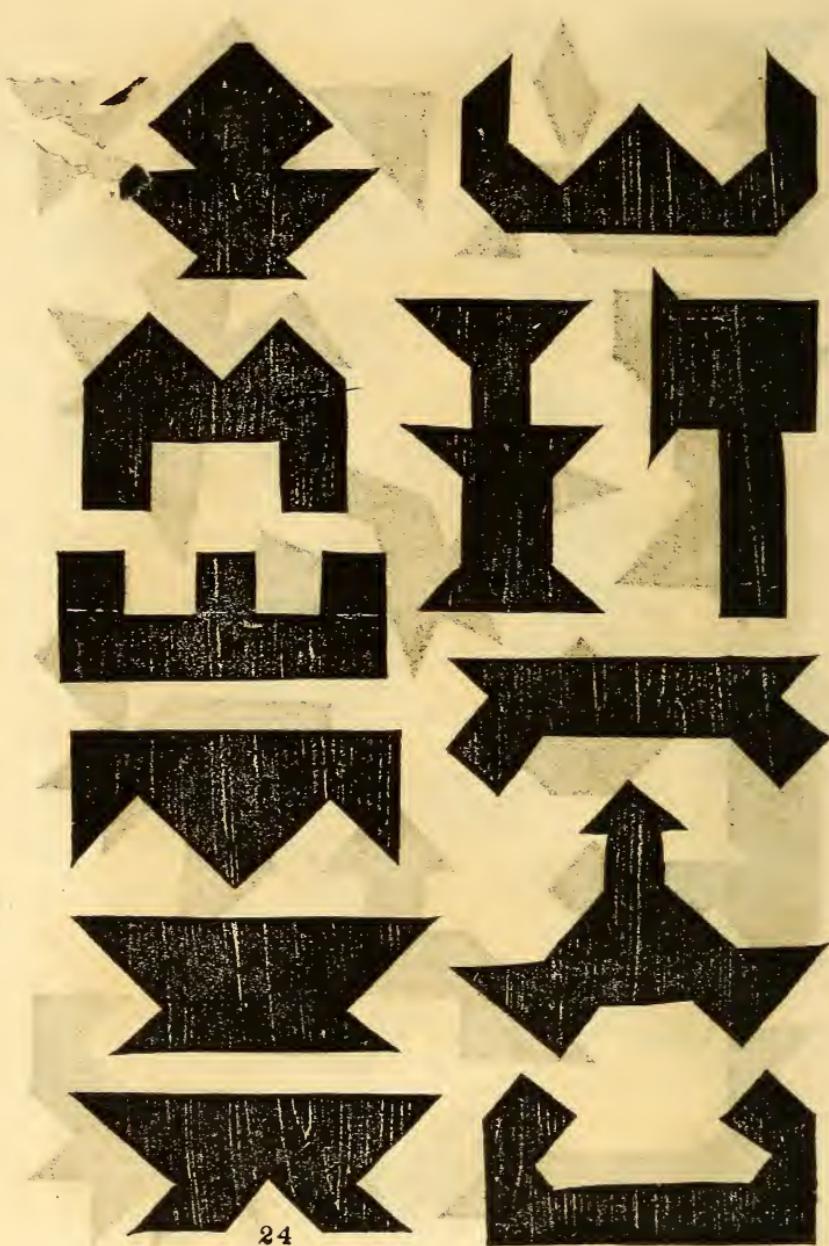


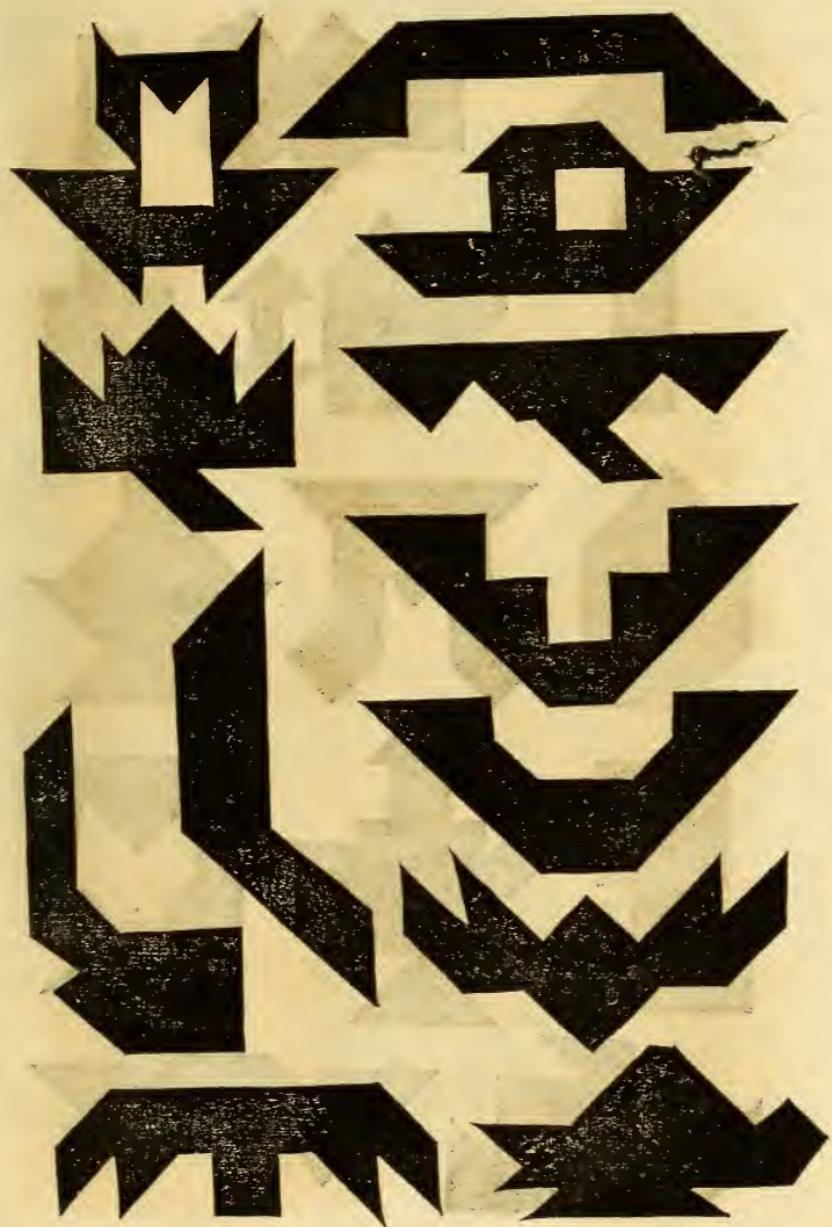


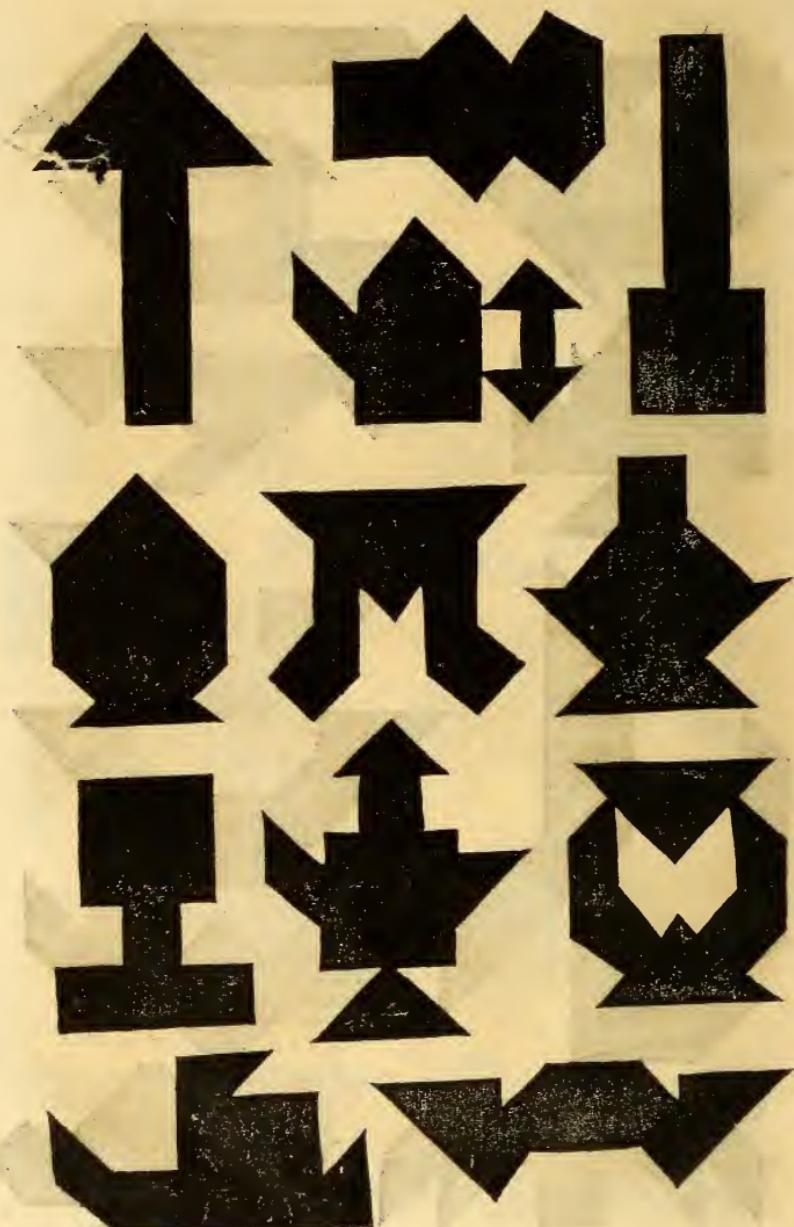






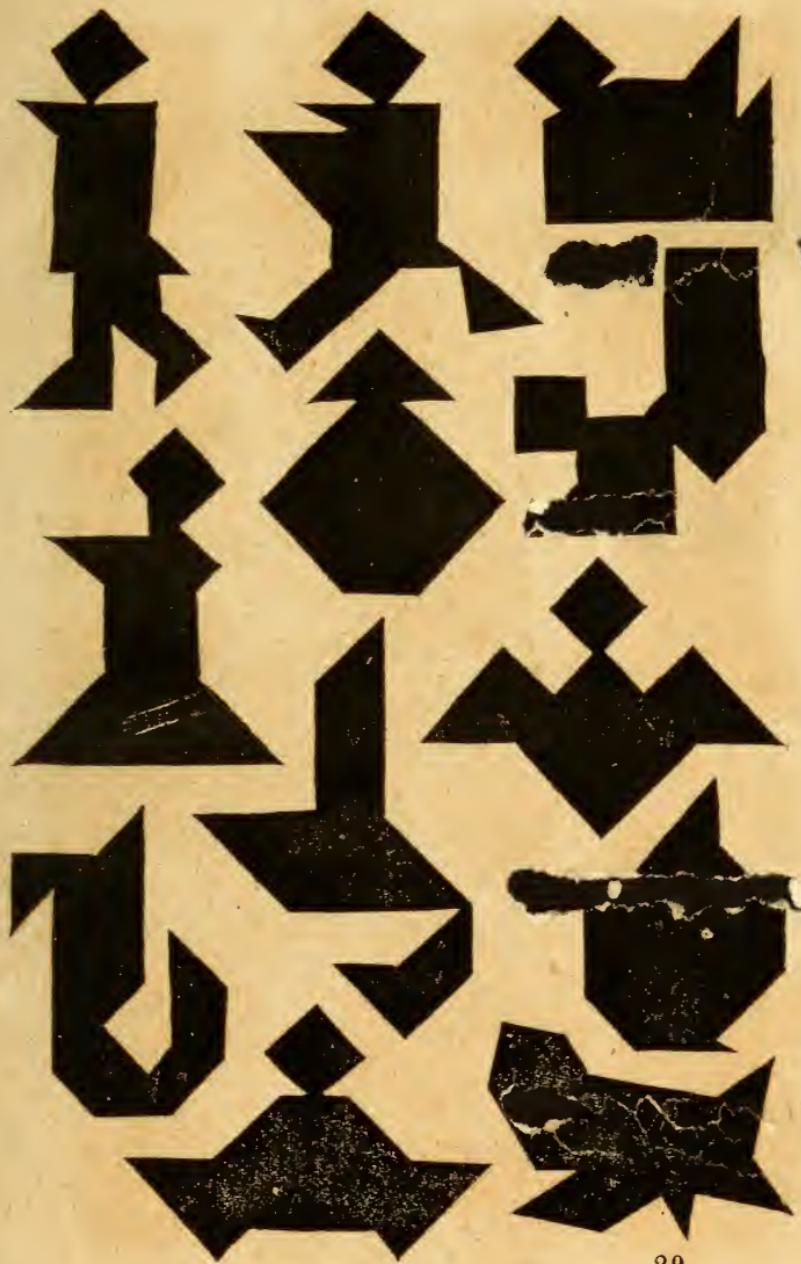


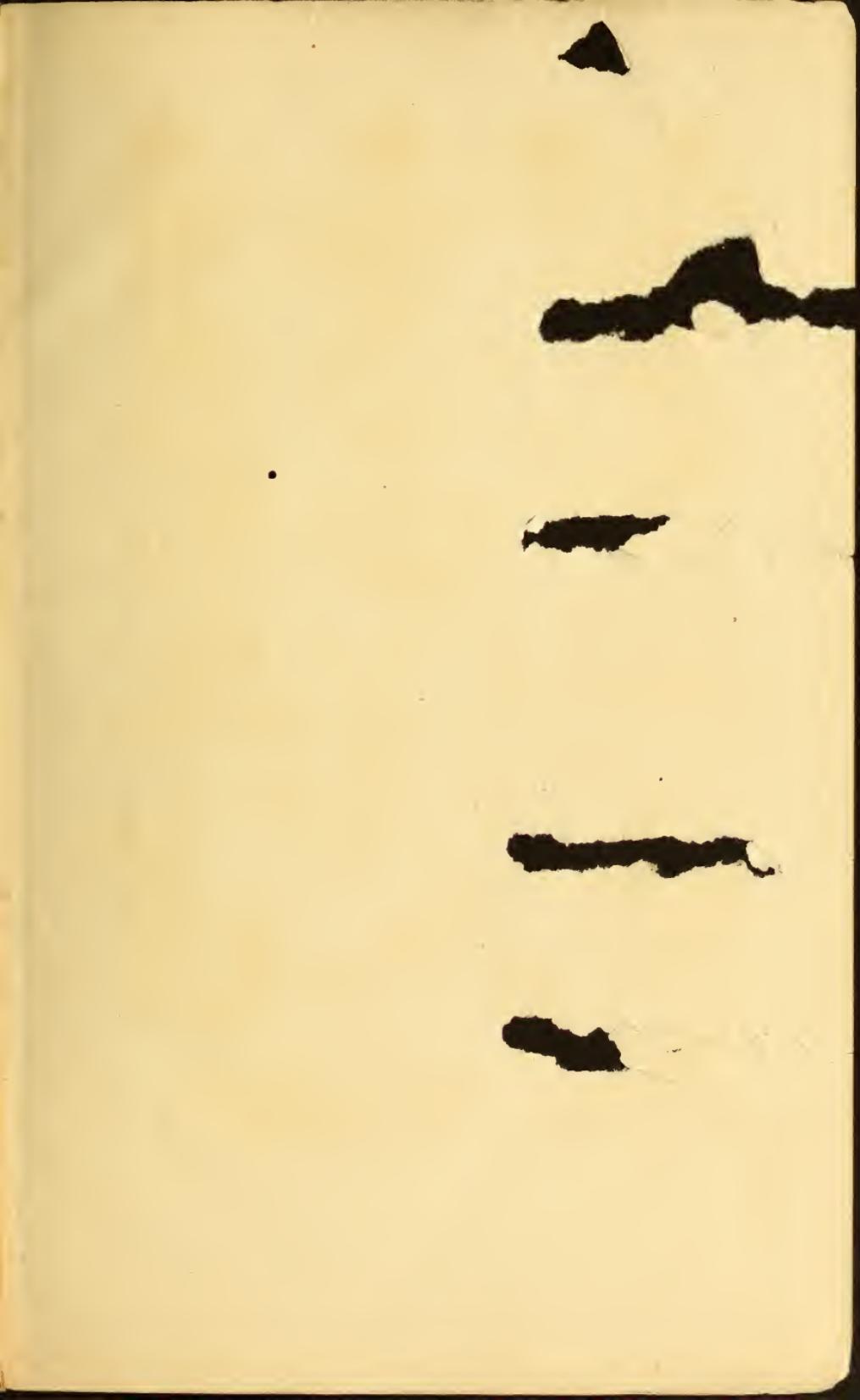


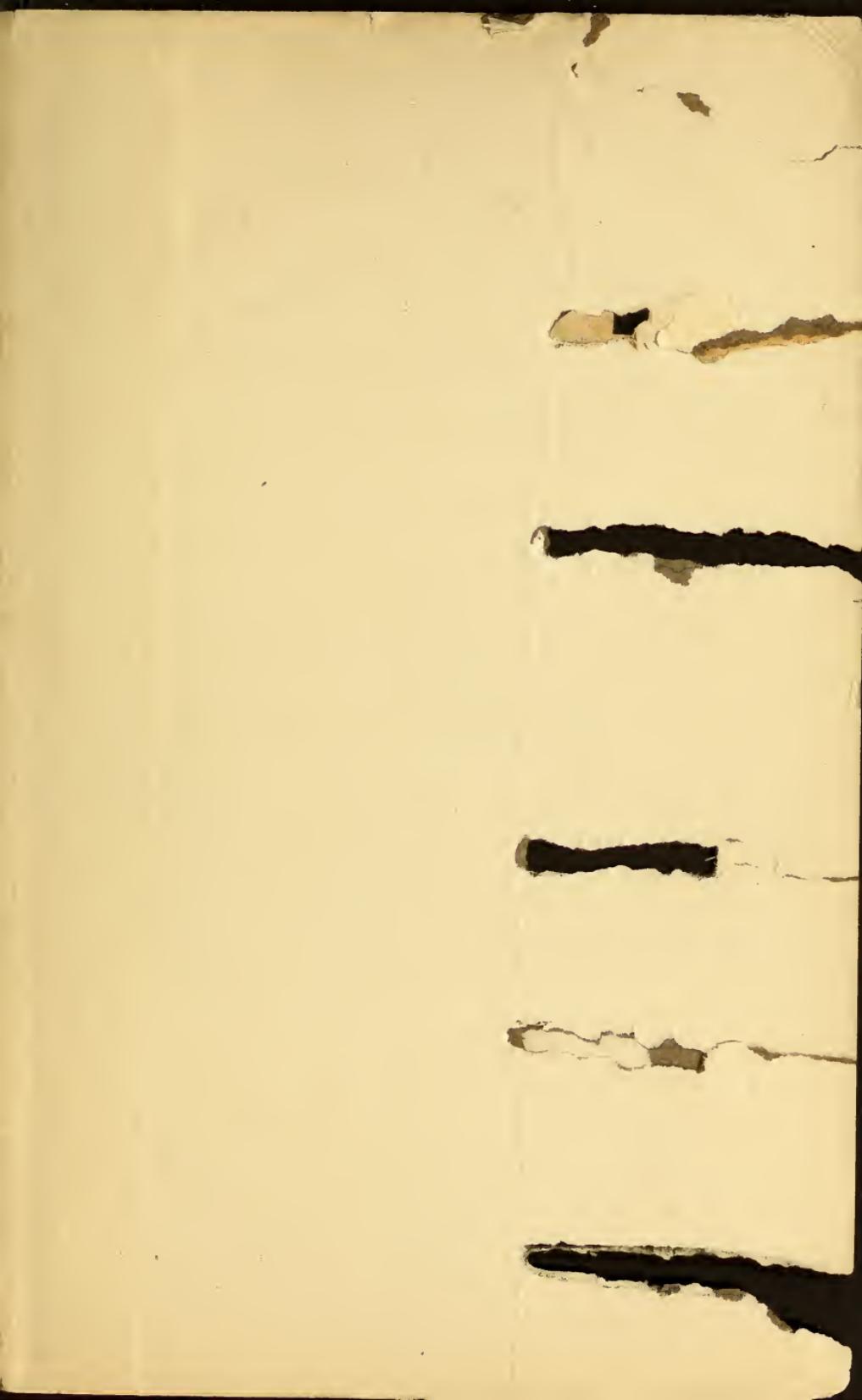


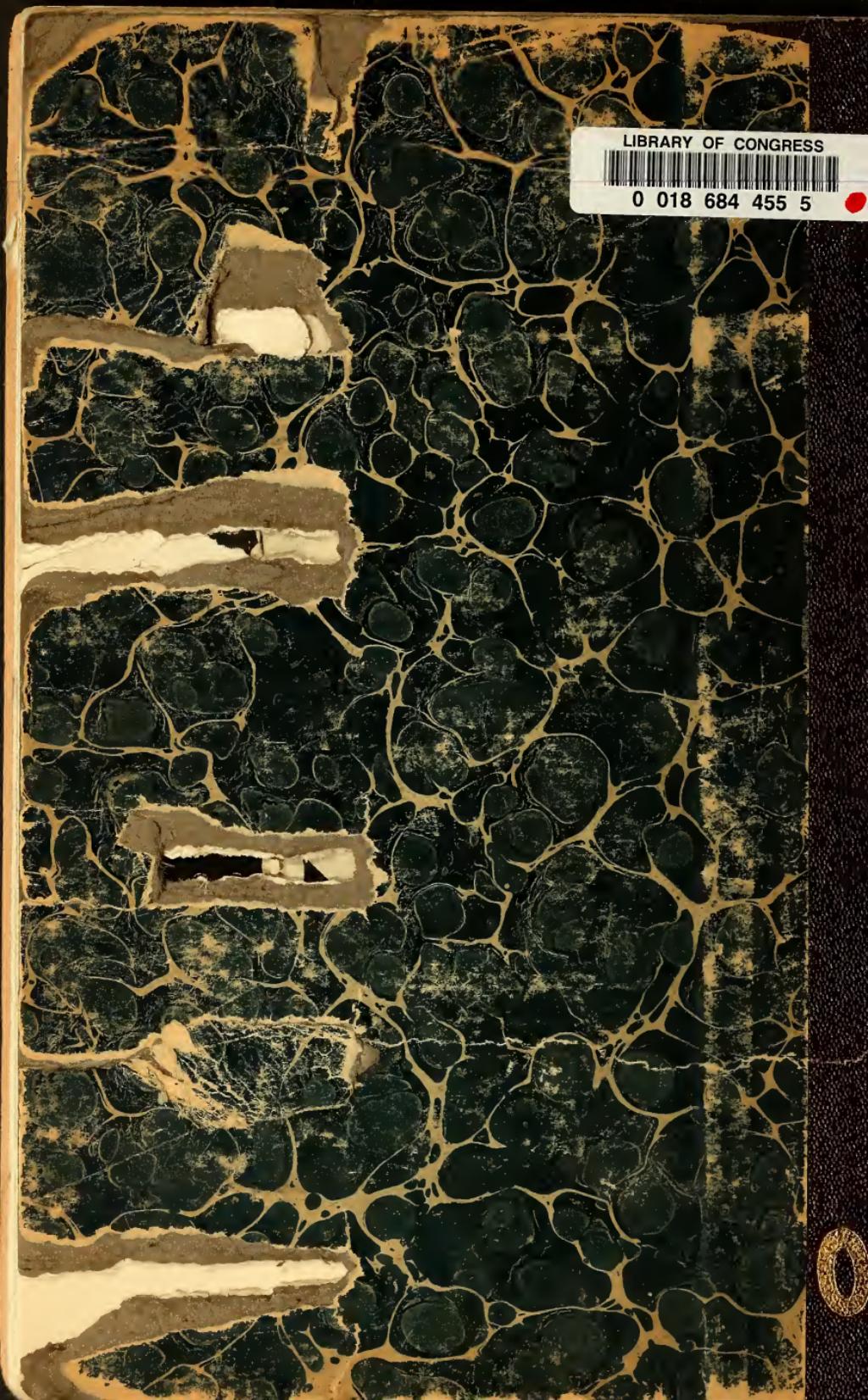












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